BENASSI®

REVERSIBLE TWO-WHEEL TRACTOR
MC 3300 MC 4300 SERIES

CE

Operation and Maintenance Manual

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General details

Producing firm:	**BENASSI SpA**
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CE

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Introduction

Dear Customer,
this manual has been written thanks to the considerable experience we have acquired so far. Its purpose is to help you in operating the machine properly during all the phases of its life.

The manual should be kept with the machine, in a safe place, accessible to all those who need to consult it.

Those who have not read, understood and learned the instructions of this manual must not operate the machine.
Should the manual be lost or spoiled, please ask your retailer for a copy, giving him all the relevant information about the machine

The manual and the declaration of conformity should always be kept with the machine, both when it is sold and when it is hired, and until the hire ceases.

Information about the guarantee

We remind you that, before using this REVERSIBLE TWO-WHEEL TRACTOR, all those who will drive it must be informed about the conditions of use and cautioned against unsafe practice. This manual contains all such information, and through it you can obtain the best performance of the machine.
We have actually found that many of the troubles that have been reported should be mainly ascribed to the operator's inattention or to wrong maintenance and/or adjustments.
As a consequence, we cannot accept claims for compensation for damage caused by wrong handlings or for loss of liabilities due to the impossibility to work when the machine is broken.
All the electrical and mechanical parts that undergo normal wear and tear are not covered by guarantee.
DURATION OF THE GUARANTEE
The guarantee has a maximum duration of 24 months.
For mechanical parts, the guarantee only covers spare parts; it does not cover the labour nor the travelling expenses connected to assembly.
If any faulty parts have to be repaired, they should be sent to us **carriage paid**. We will repair and ship them **carriage forward**.
When ordering spare parts, always give the following details:

- **Model Number**
- **Year of production**
- **Model Number**

The instructions, the pictures and the information contained in this manual are a technical and reserved property of the producing firm and cannot be reproduced with any means, neither in whole nor in part.

Training

If this REVERSIBLE TWO-WHEEL TRACTOR is used in a firm, we remind you that, before using it, all those who will drive it must be informed about the conditions of use and cautioned against unsafe practice. This manual contains all such information, and through it you can obtain the best performance of the machine.

For a non-professional use, the retailer must train the user.
Any Information and Training should be written down in this table.

Topic	Trainer	Worker	Date

Table 1 – Information and Training

Key of symbols

To allow you better understand this manual, we will explain here some terms and symbols:

Remark to be read carefully

OPERATOR

Person who has the task to set up, operate, adjust, deal with normal maintenance of and clean the machine.

QUALIFIED TECHNICIAN

Person trained and qualified to solve problems with adjustment and operation of the machine, and to manage extraordinary maintenance or to repair the machine when a particular knowledge of the machine, of its functioning, of safety regulations and of technical procedures is required.

Please read the manual before doing anything

Presence of a danger

Something you should never do

Something you should always do

THE COLOURS OF THE REMARKS HAVE THE FOLLOWING MEANINGS:

BLUE	**ALWAYS**
RED	**NEVER**
ORANGE	**DANGER**

Benassi Spa, as the firm producing the REVERSIBLE TWO-WHEEL TRACTOR, disclaims any responsibility for any damage that can be ascribed to an improper use, to inattention or to the breach of safety regulations. It also disclaims any responsibility for any damage that may occur during the transport, unpacking and handling of the machine.

Read immediately:

WARNING

BEFORE:

⇒ **HANDLING THE MACHINE;**
⇒ **USING THE MACHINE;**
⇒ **ADJUSTING;**
⇒ **CLEANING;**
⇒ **OPERATIONS OF MAINTENANCE**

READ THE OPERATION MANUALS (MACHINE AND ENGINE)

IF THE REVERSIBLE TWO-WHEEL TRACTOR IS USED IN A FIRM, WE REMIND YOU TO HAND IN A COPY OF THE MANUALS TO THE MAINTENANCE MANAGER. THE MAINTENANCE MANAGER MUST HAND IN AN ABSTRACT OF THE MANUALS TO THE WORKER IN CHARGE OF THE MACHINE, SPECIFYING THE INFORMATION ABOUT HIS TASKS.

Operation

The REVERSIBLE TWO-WHEEL TRACTOR MC3300 – MC4300 SERIES, hereinafter called machine, is designed to be used in agriculture, farming and flower-growing.
It is a self-propelled machine with a single axle. It can work in a variety of settings, according to the attachments used, such as:

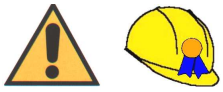
⇒ Working the ground (using hoe-shaped cutters);
⇒ Mowing the grass (using a sickle bar);
⇒ Transporting small volumes (using a trailer);
⇒ Other uses (using ploughs, lawn mowers, snow throwers, etc.).

The machine has an internal-combustion engine.
Manuals provided by the producer explain how to change attachments.

For the machine to run, a worker is needed to control it continuously.

Unsafe practice

FOR THE RETAILER: only qualified staff should deal with all the operations needed to set up the machine. Such procedures must follow the instructions contained in the SETTING UP MANUAL.



Should the user make modifications to the machine, he is required to remove the CE mark.

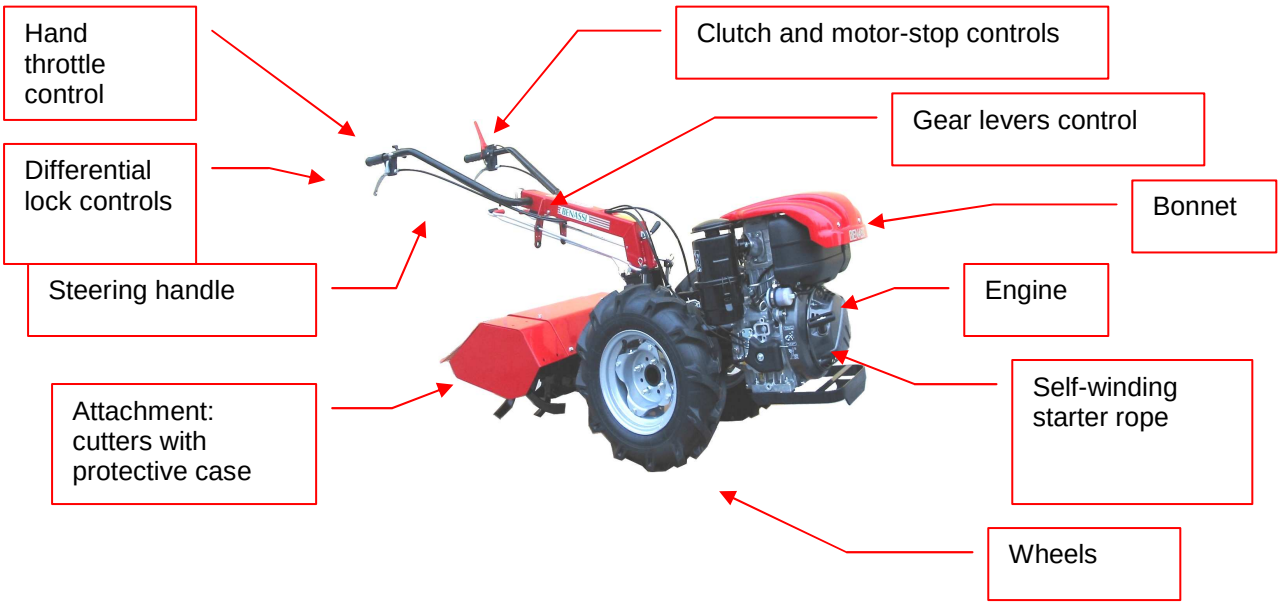
Everything that this manual does not treat explicitly is to be considered forbidden.

The machine must not be used if there is danger of fire and/or explosion.

It is forbidden to drive the machine on roads.

Machine description

The two-wheel tractor is build on a metal frame where the other parts are fixed: the engine, the gear, the axle and the steering handle, as you can see from the picture:

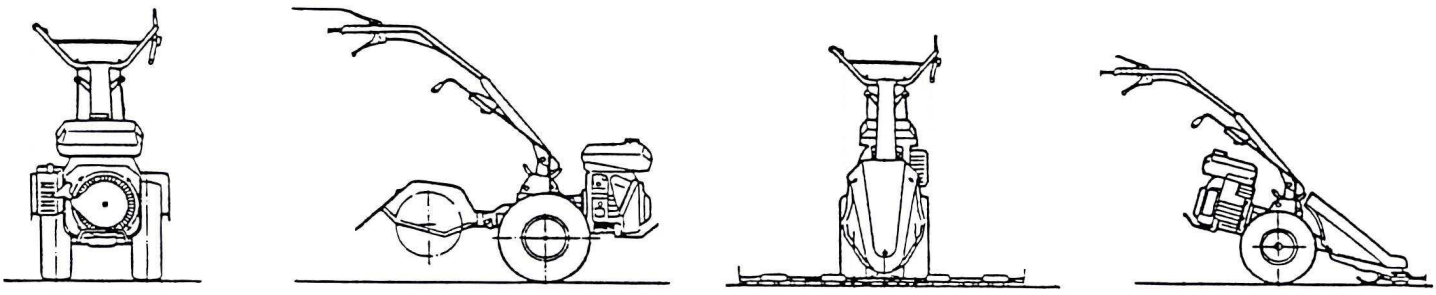


Picture 1 – General view

Specifications and performance

Operation	Daytime	
Max mass (according to the model)	90-120	kg
Size	See tecnhical tables	
Max forward/backward speed		
Max pressure pneumatic tyres (agricultural tread)		
Min steering diameter		
Engine specifications	See engine manual	

Table 2 – Specifications and performance



TILLING VERSION

MOWING VERSION

Implements

The machine can be operated as well with the following implements:
SICKLE BAR, PLOUGH, MOWER, SNOW THROWER, TRAILER, SHREDDER, REVERSIBLE PLOUGH, LEVELLING BLADE, ROTARY SWEEPER.

For other implements, please get in touch with the producing firm.

To attach and use the different implements, refer to the specific manual.

Remark on attaching implements

When attaching implements, you should follow the following instructions.

- **operation to be performed while the machine is switched off and well stable;**
- **operation to be performed only by trained and informed staff;**
- **only use implements compatible with the machine and following the instruction provided by the producing firm;**

Rocker arm

attach the implement properly, being careful that the centring rings join together

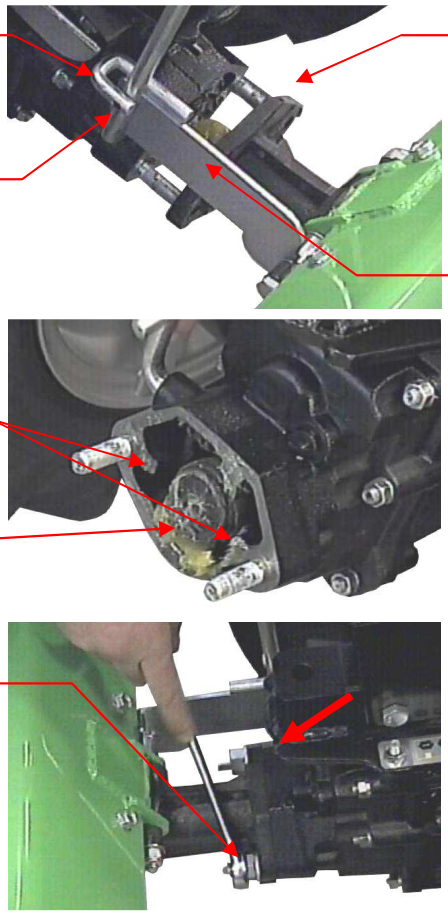
put the safety plate of the implement under the rocker arm, on the internal side of the lever

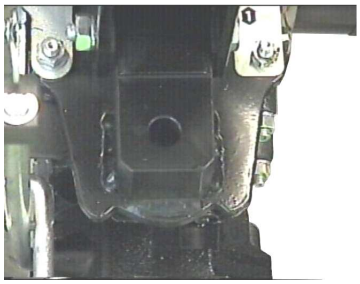
Plate

Centring rings

Point for attachment

Tighten the screws with a proper spanner, gradually and alternating the screws.





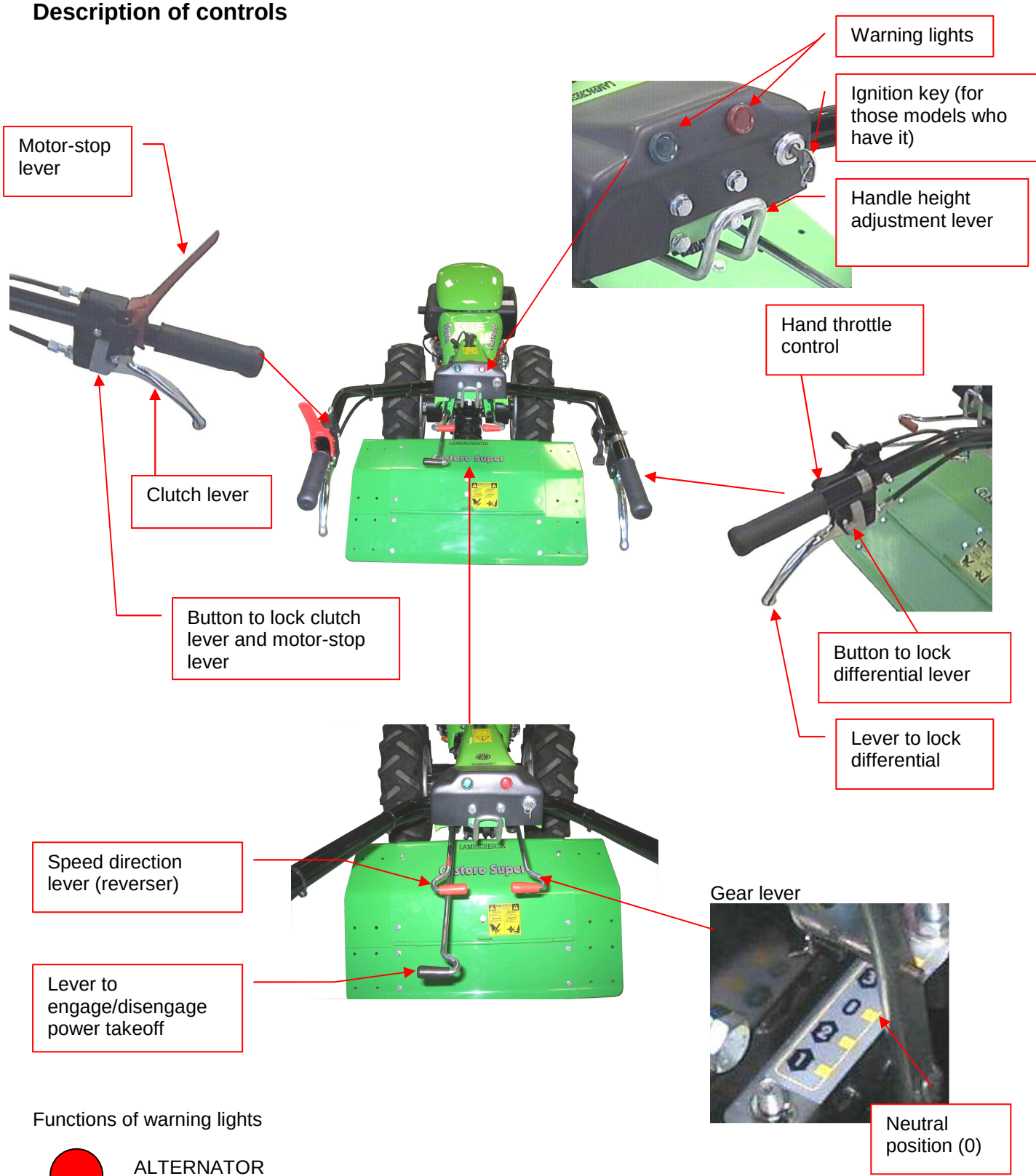
N.B.: The trailer must be attached in a particular place (shown in the picture above), different from the power takeoff

Picture 2 – Attaching implements

Danger of bruising and manual load handling

If the implement is too heavy, you should perform the operations in two or using adequate means, and following the proper instructions

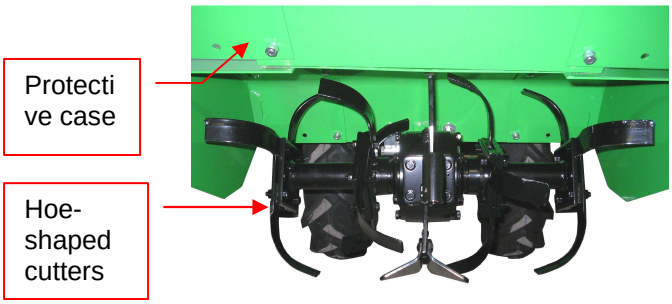
Description of controls



Picture 3 - Description of controls

Version of the machine with cutters

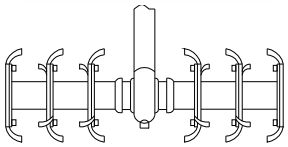
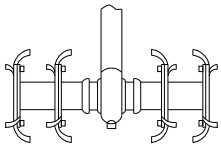
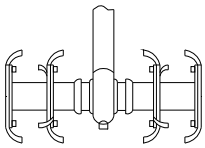
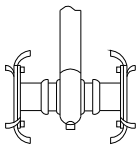
In this version the machine has cutters to till the soil. The external parts of the cutters and of the protective case can be disassembled, so you can vary the width of the machine.
The widths you can obtain are as follows.



Picture 4 – Machine: version with cutters

To assemble the implements, consult the manuals provided by the producing firm.

CUTTER WIDTH (mm)

VOLPINO	WIDTH (mm)	CASTORO
570		760
460		630
370		480
280		360

WHATEVER WIDTH YOU DESIRE, THE CUTTERS MUST BE SET SYMMETRICALLY WITH THE AXE OF THE MACHINE.

DANGER OF OVERTURNING AND OF INSTABILITY: IF THE CUTTERS ARE NOT ASSEMBLED SYMMETRICALLY, THE MACHINE IS UNSTABLE, DANGEROUS AND CAN OVERTURN.

Adjusting the tilling depth

The hoe-shaped cutters have a device to adjust the depth of tilling of the soil.

DANGR OF BRUISING AND CRUSHING

OPERATIONS TO PERFORM WHEN THE MACHINE IS TURNED OFF AND STABLE

WEAR PROPER GLOVES

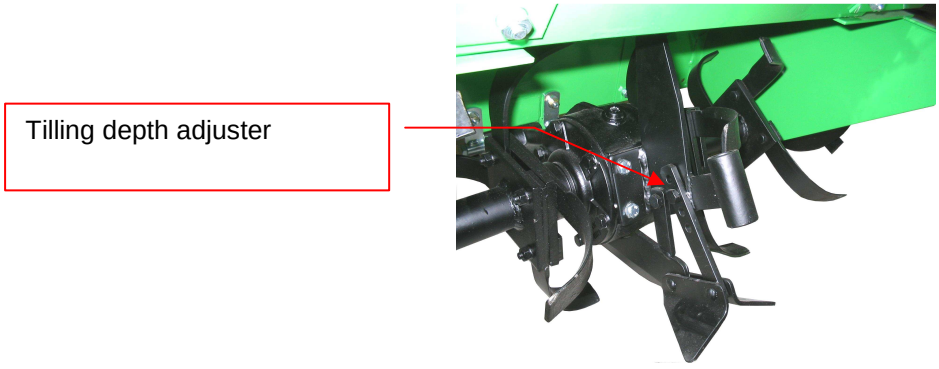


Figura 5 – Adjusting the tilling depth

Reverse of the machine

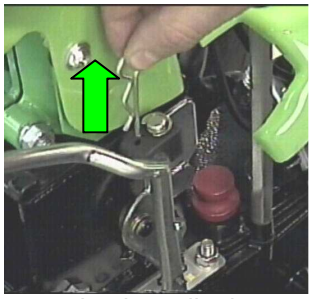
In order to attach different implements, the machine can be reversed by turning the handle 180 degrees, as it is described in this page.

OPERATION TO PERFORM WHEN THE MACHINE IS TURNED OFF

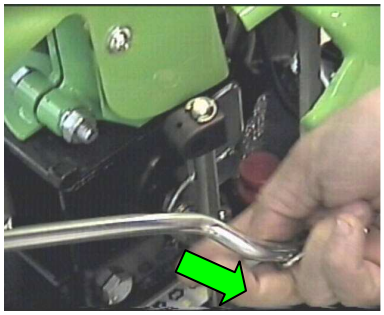
During these operation:

DANGER OF BRUISING AND CRUSHING

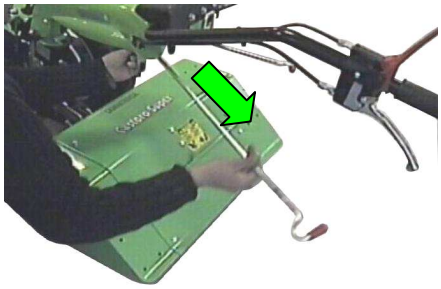
Before reversing the handle, you need to take away the levers that control the speed direction and the power takeoff.



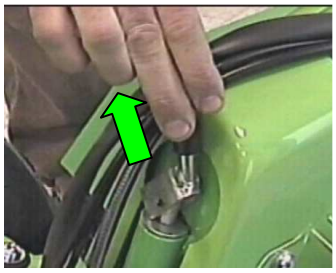
1 – Take the split pins from the levers



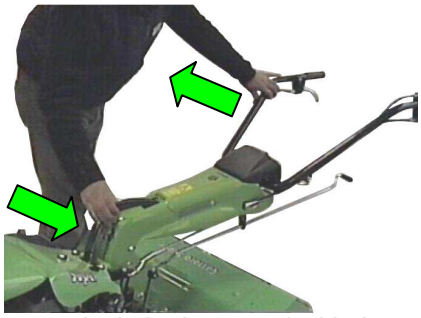
2 – Pull the levers out of their places



3 – Take the levers out of the loops



4 – Raise completely the lever that locks the side adjustment of the steering handle

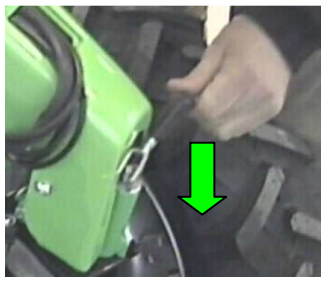


5 – Unlock the lever and with the other hand rotate the steering handle

FOR THE REVERSE, THE HANDLE SHOULD ONLY BE TURNED CLOCKWISE

TO GET IT TO ITS NORMAL POSITION, ONLY COUNTERCLOCKWISE

6 – take the handle to the opposite side, above the engine



7 – lock the handle by lowering the lever

8 – put the levers back into the loops, then in their place and finally lock them with the split pins

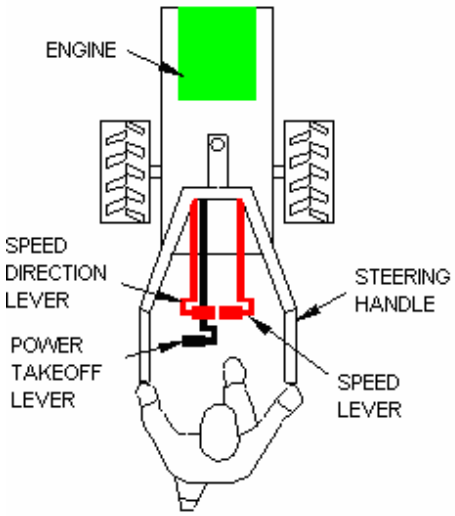
Picture 6 - Reverse of the machine

WARNING!!
In the reversed position the levers need to be inverted, so the controls as well are inverted.
You should refer to the paragraph "Positions and controls of levers".
To perform maintenance of the engine in the reversed position, you need to turn the handle to one side, otherwise the bonnet of the engine cannot be opened.

Positions and controls of levers

The position of motion lever and the effect obtained by using them depend on the configuration of the machine (normal or reversed). The pictures below show the two different situations.

NORMAL CONFIGURATION



Power takeoff lever

Power takeoff can be engaged only with forward speed.

To engage takeoff, engage clutch and then push the lever towards the machine.
To disengage it, pull the lever towards you.

Speed direction lever

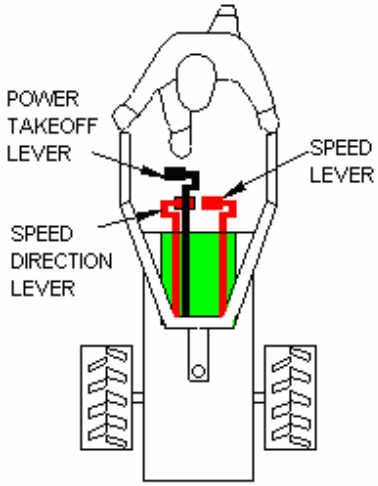
To drive forward, engage clutch and then push lever towards the machine. To drive backwards, pull the lever towards you.

Before driving backwards, power takeoff ought to be disengaged.

Speed lever

To engage gears, engage clutch and move the lever until it stops on the number of the speed you want, which is written on the gear.

REVERSED CONFIGURATION



Power takeoff lever

To engage power takeoff lever, engage clutch and then pull the lever towards you.
To disengage it, push the lever towards the machine.

Speed direction lever

To drive forward, engage clutch and then push lever towards the machine. To drive backwards, pull the lever towards you.

Speed lever

To engage gears, engage clutch and move the lever until it stops on the number of the speed you want, which is written on the gear.

In reverse position, 4th speed cannot be used.

Picture 7 – Positions and controls of levers

Working procedure

When working on sloped surfaces, you should drive the tractor parallel with the slope and not uphill nor downhill. Be very careful while changing direction.

Adjustements

The machine can be adjusted in some ways, which are shown as follows.

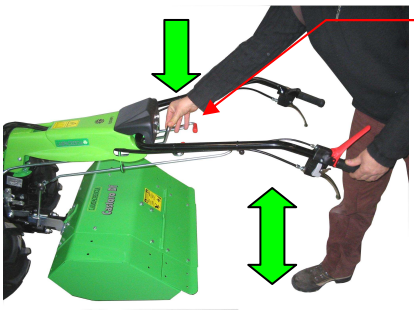
OPERATION TO PERFORM WHEN THE MACHINE IS SWITCHED OFF

During these operations:

DANGER OF BRUISING AND CRUSHING

You can adjust the height of the handle, in order to get a comfortable position, according to the features of the operator.

Handle height adjustment lever

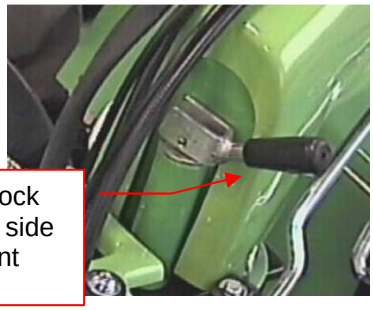


To adjust in height, keep on pressing the lever and with your other hand move the handle to find the position you want.

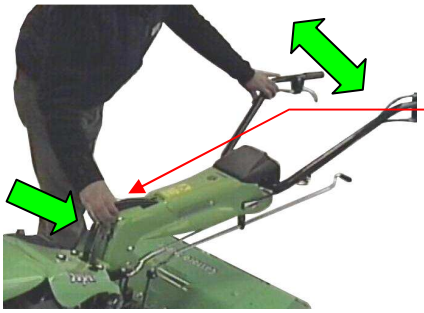
Once you have found the right position, loose the adjustment lever

Picture 8 - Adjustment of the height of the handle

The handle can also be adjusted to the side. This allows the operator to avoid walking on the soil that has been just tilled, or to avoid a furrow, etc.. You can perform this adjustment with the machine both in normal configuration and in reversed configuration.



Lever of lock of handle side adjustment

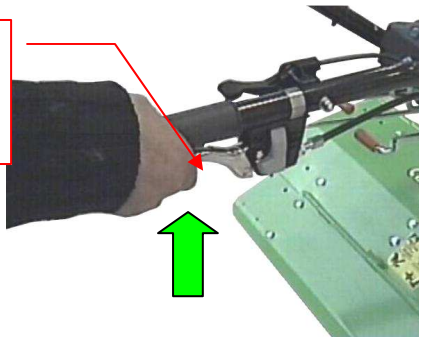


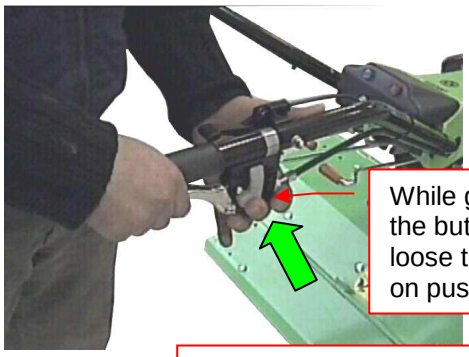
To adjust the handle to the side, raise the lever and with your other hand move the handle to find the position you want, then loose the lever.

Picture 9 - Handle side adjustment

Besides, in the version with differential (mechanical system to split the torque), it is possible to lock the differential, so you can split the torque evenly to both wheels.

Grip the lever of lock of differential





While gripping the lever, push the button on the side, then loose the lever while keeping on pushing the button

You can unlock by gripping the lever completely.

Picture 10 – Locking the differential

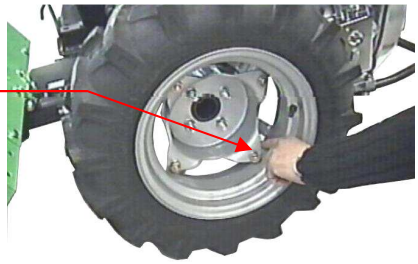
In some versions of the machine, you can adjust the track of the wheels, for example to pass more easily through narrow places.

ONLY TRAINED AND INFORMED STAFF SHOULD PERMORM THESE OPERATIONS. TURN OFF THE MACHINE AND SET IT ON A FIRM BEARING IN ORDER TO RAISE THE WHEELS FROM THE GROUND.

DANGER OF BRUISING AND OVERTURNING

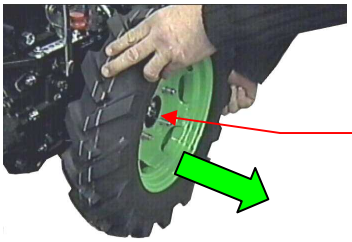
You can modify the track of the wheels by inverting the wheels: take off the wheels, then assemble them again placing outside the internal face and vice versa
Besides, you can adjust the wheels in the following ways as well:

Adjust the position of the flange in order to place the wheel more to the inside or to the outside (only versions with adjustable rims)



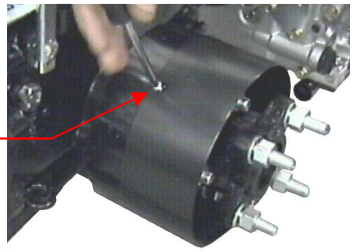
Picture 11 – Adjusting wheels with flange

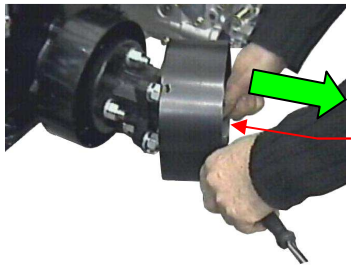
Loosen the screws of the wheels with a suitable spanner (one wheel at a time)



Take the wheel out of the hub

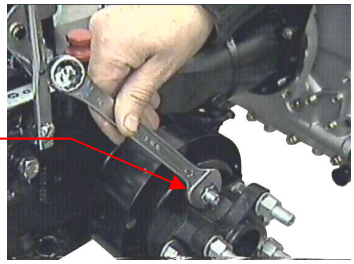
Loosen the screws on the side with a screwdriver

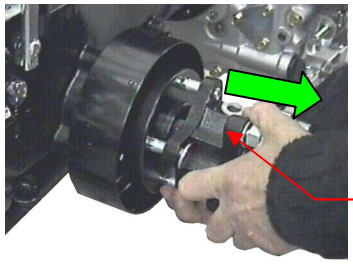




Take out the spacer case

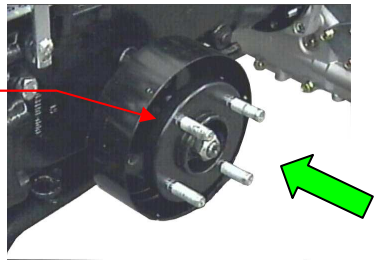
Loosen the screws of the spacer with a suitable spanner





Take out the spacer

Assemble the wheel directly on the axle, without spacer nor case



After adjusting the machine, all the screws should be well tightened and the implements stable.
Make sure that the machine is configured symmetrically and is perfectly stable.

Picture 12 - Taking off the wheels spacers

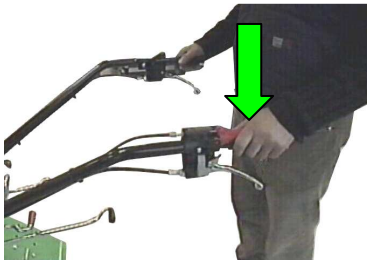
Starting the machine

To start the machine, follow these instructions:

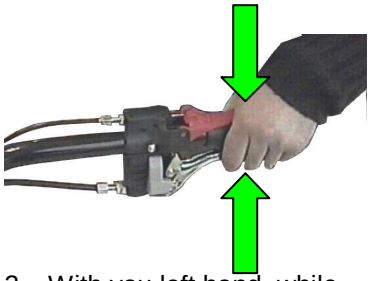
DANGER OF BRUISING AND CRUSHING

BEFORE STARTING THE MACHINE, MAKE SURE THAT:
- **VENTILATION IS ENOUGH (YOU SHOULD GO OUTSIDE);**
- **ALL THE CONTROL LEVERS ARE DISENGAGED; THE SPEED LEVER MUST BE SET ON NEUTRAL POSITION (0);**
- **THE FUEL TANK IS FULL ENOUGH.**

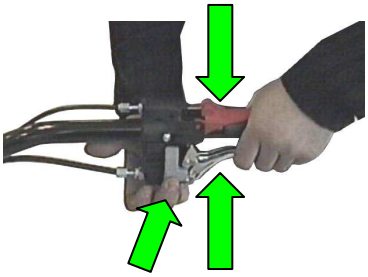
FINALLY, OPEN THE FUEL TAP



1 – With your left hand, press the red lever (motor-stop)



2 – With you left hand, while keeping on pressing the red lever, grip the clutch lever



3 – While keeping the two levers, with your right hand press the button on the side

4 – Now, loose the levers while keeping on pressing the button

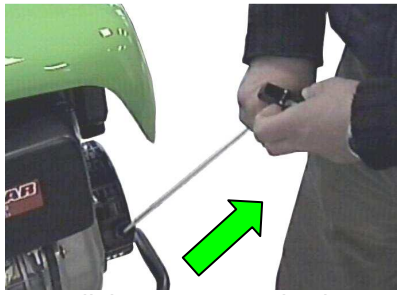
In this way the gear is disengaged from the engine and the machine can be started

You can unlock by gripping the clutch lever completely.

5 – Open the throttle fully

If the machine has manual starting, with self-winding rope (see the engine operating and maintenance manual):

6 – Standing in front of the machine, grip the self-winding rope



7 – Pull the rope strongly: the engine will start

If the machine has ignition (see the engine operating and maintenance manual):

6' – Turn the key: a warning light will light up. Then turn the key again and loose it when the engine is running.

Operating the machine

Once you have chosen one of the working configurations (normal or reversed) and made the adjustments you need (always respecting what is written in the relevant section of this manual), the machine is ready for use.

- Push the machine from storage to the place where you will start it;
- Start the engine, following the instructions and warnings of the relevant section;
- Once the engine is running, choose the driving direction and engage the speed you prefer;
- If the operation needs it, engage the power takeoff;
- Pull the clutch lever until the clutch lever lock button is released, always keeping up the motor stop lever;
- Disengage the clutch;
- If the motor stop lever is lowered, the machine can move; otherwise, it remains still;
- Ad just the throttle control according to the power required.

General warnings while working

While operating the machine you must:

- Familiarise yourself with the controls and with how the machine moves;
- Start the machine in a ventilated area, better if outdoors;
- Operate the machine with good light (better if with daylight);
- Check the working area and clear it of debris (sticks, stones, wires, etc.).
- Wear suitable clothes and shoes; a mask as well could be needed on dusty grounds;
- The operator has to walk behind the machine: maintain a suitable pace (walk, do not run) and be careful not to stumble, especially when going backwards;
- Work in conditions of stability: drive the machine parallel with the slope, trying to avoid steep slopes, manoeuvre carefully and use caution while changing direction;
- Change working direction if exhaust fumes go towards the operator;
- While pushing the machine: be careful of balance, keep the implements lifted from the ground and avoid moving the machine for too long distances or when it could require an excessive effort.

When you are operating the machine, remember the following prohibitions:

- It is severely forbidden to tamper with safety devices (as the motor stop lever), since it could jeopardize their functioning and result in personal injuries;
- Never allow children and untrained people operate the machine;
- Never operate the machine near children and pets;
- Never put hands or feet near the cutters or other implements of the machine when the engine is running;
- Never work on steep slopes;
- Never operate the machine without the protective case;
- Never operate the machine if the safety devices have been removed or are broken, faulty or not working;
- Never lift or transport the machine while the engine is running;
- Never store the machine indoors if the fuel tank is not empty;
- Never wear scarves, ties, loose clothing, rings, bracelets and any other such item (straps, strings, etc.) that could get caught while working.

Filling and emptying the fuel tank

Pleas follow the instruction of the manual provided by the producer of the engine to fill and empty the fuel tank.

DANGER GAS AND VAPOUR INHALATION

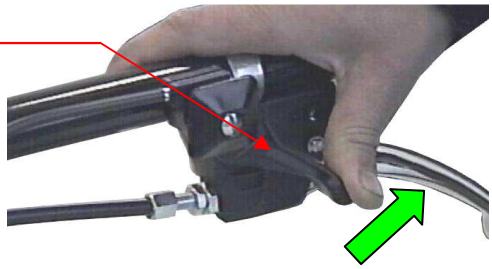
DANGER INFLAMMABLE MATERIALS

- Never handle fuel indoors or with poor ventilation;
- Never handle fuel if the machine is running or the engine is still hot;
- Never smoke;
- Avoid fuel spillage;
- Never start the engine if some fuel has incidentally spilled: clean the dirty parts with adequate means;
- When working on steep slopes, never overfill tank, in order to prevent fuel spillage.

Switching the machine off

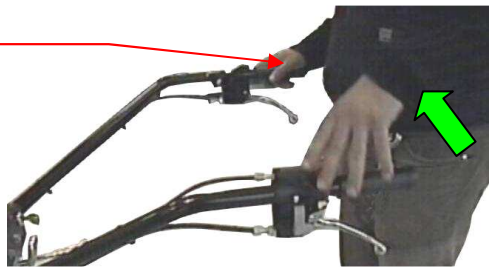
When you want to switch the machine off, follow these instructions:

Take the throttle control to the minimum of its stroke.

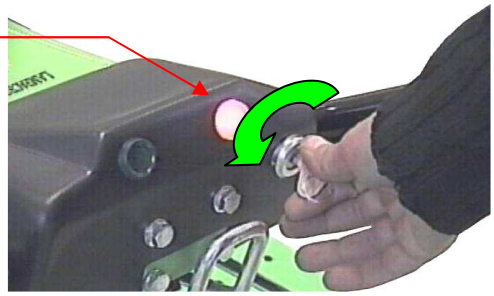


Disengage the power takeoff and set the gear on neutral position.

Loose the motor-stop lever: the machine will switch off.



In the versions with ignition, remember to turn the key to the stop position, in order to avoid that the battery goes flat.



Finally, close the fuel tap (for more details, consult the manual provided by the producer of the engine)

Picture 13 – Switching the engine off

Storage of the machine

When you want to put the machine to storage, you should remember the following instructions:

- **Never leave the machine with some fuel in the tank;**
- **Let the engine cool before leaving the machine indoors;**
- Leave the machine far from inflammable materials and from sources of fire;
- Leave the machine clean;

When choosing the place where to store the machine during the periods when it is not used, you should bear in mind its size, mass and static load. Moreover, the floor should be flat.

Residual Risk

The machine, even when you use caution, has some residual risks for the operator:

DANGER OF THROWING MATERIALS AGAINST PERSONS, ANIMALS, OBJETS. RESPECT AND MAKE OTHERS RESPECT THE SAFETY DISTANCE

DANGER: MOVING IMPLEMENTS

DANGER OF BRUISING AGAINST THE IMPLEMENTS OF THE MACHINE
THE CUTTERS CAN CAUSE INJURY TO HANDS WHEN THEY ARE WORKING OR DURING OPERATIONS OF MAINTENANCE

MANUAL LOAD HANDLING WHILE (DIS)ASSEMBLING THE IMPLEMENTSO OF THE MACHINE

DANGER OF FUEL VAPOURS AND EXHAUST GAS; NEVER OPERATE INDOORS

DANGER TO FALL OR STUMBLE WHILE OPERATING

DANGER FOR FEET BECAUSE OF CUTTERS

DANGER OF OVERTURNING ON UNEVEN SURFACES, STEEP SLOPES OR WHILE PERFORMING ADJUSTMENTS TO THE MACHINE

DANGER OF BURNING OR FIRE BECAUSE OF HOT SURFACES

EVERY DANGER IS STRESSED BY SPECIFIC LABELS.

PROMPTLY REPLACE SPOILED LABELS. IF NECESSARY, ASK THE PRODUCING FIRM.

Maintenance

General guidelines

Warning: only trained and informed staff should perform the maintenance operations described in this manual.

Warning: only the producing firm or the retailer of the machine should perform specific maintenance operations.

While performing maintenance operations, the machine should be in a stable position.

Never neglect maintenance: the life and the efficiency of the machine also depend on how it is maintained.

Never repair the machine temporarily; always do it properly and permanently.

During those maintenance operations in which the operator may touch chemical substances, please notice the following warnings:

Danger of bruising

Danger: chemical substances and hot surfaces

Use suitable gloves and clothes

We remind to those who operate the machine that when using chemical substances you should follow the instructions shown on the safety tables, which must be provided by the producer of the substance. Please follow the instructions shown on the packing.

Engine

Danger: hot surfaces

Operations to be performed by trained and informed staff, when the machine is cold and not running

For the details related to maintenance operations of the engine, please consult the manual provided by the firm producing the engine, handed in with the machine.

Gear: checking the oil level

The machine must be switched off and placed on a flat surface.

Every 100 working hours, check the oil level through the specific gauge.

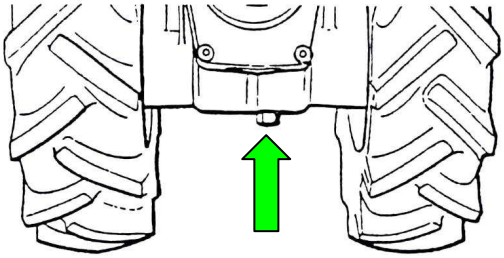
Picture 14 – Gear oil level

If the oil is down the minimum level, you need to check for spillage, then fill up the oil, using proper tools and methods.

Gear: changing the oil

The machine must be switched off and placed on a flat surface.

After the first 50 working hours, change the gear oil. Then change it every 300 working hours.
Empty the gear by taking off the plug shown in the picture. Collect the oil in a proper container. To fill up, put the plug in its place and tighten. Then, pour oil through the hole with proper tools and methods.



Picture 15 – Changing gear oil

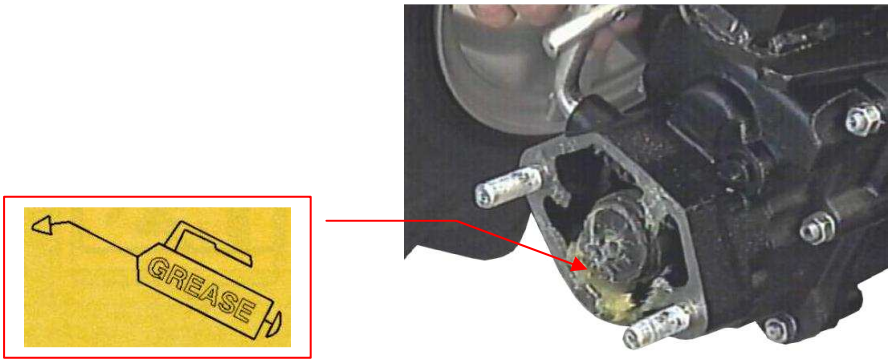
Waste oil should be disposed of according to law.

TO FILL UP, USE 90 W OIL

Greasing power takeoff

The machine must be switched off and placed on a flat surface.

Grease the power takeoff every 8 working hours and whenever attaching a new implement.



Picture 16 - Greasing takeoff

Periodical operations

The machine must be switched off and placed on a flat surface.

Periodically, check if screws, nuts, bolts, split pins etc. are well tightened.

Cleaning

General guidelines

Cleaning is ordinary maintenance. With ordinary maintenance we mean scheduled operation of basic maintenance that do not generally require special qualifications, authorizations or tools.

To clean the machine, switch it off, let it cool and place it in a stable position.

Clean the machine:

⇒ **every day after every time you operate it. The life and the efficiency of the machine also depend on how it is maintained.**
⇒ **while operating it, if necessary.**

The machine uses dangerous substances (fuel); to clean its parts, follow the instruction of the manual provided by the firm producing the engine.
The machine does not have, as far as its functions allows it, sharp corners or rough surfaces that can cause injuries.

WARNING

DANGER OF DAMAGING THE MACHINE

NEVER USE JETS OF WATER TO CLEAN THE ENGINE

FOLLOW THE INSTRUCTION OF THE ENGINE MANUAL

You should clean the working surfaces or other parts of the machine with proper tools, methods and products, wearing protective garments, and respecting the environment.

To clean dust, earth, weed, etc, off the implements, wheels or other parts, use proper tools and methods (for example a pressure washer). Remember to clean the machine only when it is not running.

If using a pressure washer, be careful not to hit delicate parts of the machine (electrical parts, engine, etc.), or persons, animals and things nearby. Follow the instructions of the relevant manual.

When cleaning with compressed air, only use dry compressed air.
We recommend the operator to wear a mask to protect the respiratory tract, a pair of glasses to protect the eyes and suitable clothes.
While using compressed air, the operator should make sure that there are no people nearby.

We remind to those who operate the machine that when using chemical substances you should follow the instructions shown on the safety tables, which must be provided by the producer of the substance. Please follow the instructions shown on the packing.

To clean the engine, please consult the manual provided by the firm producing the engine, handed in with the machine.

Disassembly

The machine is mainly made of iron materials (carrying structure, engine, frames, works, etc.), plastic and cables, etc., which do not need particular care for disposal.

The gear and engine oil should be disposed of according to law.

When disassembling, you should sort the plastic parts from the metallic ones for waste recycling, according to the law of the country where the machine is used.
As far as metallic parts are concerned, you just need to divide between steel parts and parts in other metals or alloys, for a correct recycling by melting.

We remind to those who operate the machine that to dispose of substances and compounds dangerous for the environment you must comply with law requirements.

It is the operator who has to keep himself informed on the substances that need a specific disposal and of the law in force at the moment of disposal.

We also remind you that when demolishing the machine you must destroy the plates with the CE Mark and the documents related to the machine.

CE Mark

The plate showing the CE Mark is fixed to the structure of the machine.

Air noise and vibrations produced by the machine

Equivalent continuous A-weighted sound pressure level dB (A)	Sound power dB(A)	Accelerations on the handle grip EN 1033 – 28662/1 m/s^2

Table 3 - Noise and vibrations

In compliance with the legislative decree D.Lgs 277/91, fulfilling the 86/188 directive, the Employer provides to the measures against noise at the work place and to comply with the above law.

As far as Vibrations are concerned, please pay attention to the following suggestions

When the operator, while working, notices that:

- ⇒ Fingertips become white;
- ⇒ He has pins and needles in the fingers;
- ⇒ He feels it difficult to close hands;
- ⇒ He feels troubles to the wrist, elbow, etc.,

he must immediately stop operating the machine.